

SECTION 00110

SUMMARY OF WORK

PART 1 GENERAL

1.01 INTENT OF CONTRACT

- A. The intent of the contract is to provide for the complete construction of the project described in the contract. Unless otherwise provided, furnish all labor, materials, equipment, tools, transportation, and supplies, and perform all work required to complete the project in reasonably close conformity with drawings and specifications, and in accordance with provisions of the contract.
- B. Sections of Division 1 – General Requirements govern the execution of the work of all sections of the specifications.

1.02 DRAWINGS

- A. Contract drawings accompany these specifications and form an integral part of this contract.

1.03 LOCATION OF WORK

- A. The work is located at Million Reservoir, which is approximately 4 miles southwest of South Fork, Colorado; and approximately 48 miles west of Alamosa, Colorado as SHOWN ON THE DRAWINGS.

1.04 DESCRIPTION OF THE WORK

Contractor shall construct a new CMP drop inlet riser and inlet structure with new culvert and gate as SHOWN ON THE DRAWINGS. If prebagged “Sakrete” is used extra cement shall be added to mix to ensure specified strength of concrete is met. Gate shall be a Waterman CL-10 Canal Gate assembly for mounting on new concrete structure or approved equal. Contact Waterman at 800-331-0808. Address is 2116 W. Mary St. Garden City, KS 67846. 48 feet of 15 inch diameter 12 gauge annular corrugated steel pipe shall be provided for the principal spillway barrel and 17 feet of 36 inch diameter 12 gage annular corrugated steel pipe for the drop inlet riser. The first section of the outlet pipe along with the angled section of pipe on the upstream end of the outlet pipe shall be removed and new 15 inch diameter annular corrugated pipe with shop built angles shall be installed along with a pipe support for the end of the pipe as SHOWN ON THE DRAWINGS. A riprap stilling basin shall be constructed at the outlet end of the principal spillway pipe. In addition, a sand collar shall be constructed around the outlet pipe having a slotted 4-inch-diameter drain that outfalls (solid pipe) adjacent to the principal spillway pipe. A toe drain with a two stage sand/gravel filter will be constructed near the downstream toe of the dam and covered with a weighted or stability berm that flattens the

downstream slope for enhanced embankment static stability as SHOWN ON THE DRAWINGS.

Topsoil shall be stripped from the downstream face and natural ground downstream of the toe of the dam and reapplied as compacted fill to buttress the dam and the area for the inlet diversion dike as SHOWN ON THE DRAWINGS. There shall be a diversion dike constructed upstream of the inlet structure as SHOWN ON THE DRAWINGS. Fill for the project shall be taken from a borrow site located west of the dam and south of the access roads as SHOWN ON THE DRAWINGS. All damage to the road, dam, intake structure shall be repaired to preconstruction conditions. There is a minor amount of clearing necessary for the project with three trees on the toe of the dam that also need to be removed and decked west of the emergency spillway in an open area approved to deck the logs. Slash shall be scattered away from the worksite among the existing trees and stumps are to be buried utilizing an existing disposal site near the log decking area. All disturbed areas shall be seeded and mulched.

- B. Contractor shall perform all survey staking required to construct components of this project and shall provide written copies of all notes and drawings to the USDA Forest Service.
- C. Contractor shall provide geotextile to underlay the riprap in the stilling basin. Spikes used for pinning fabric shall be 18 inches long, 3/8" diameter, pointed on one end, and have a 1 1/4" diameter washer attached to other end. Fabric shall be Amoco 4553 nonwoven geotextile with a minimum weight of 12 oz or approved equivalent. Contact Amoco at 800-445-SPEC. Address is Amoco Fabrics and Fibers Company Suite 550, 900 Circle 75 Parkway, Atlanta, Georgia 30339.
- D. All pipe joints shall have 24 inch wide watertight couplers bands minimum.
- E. All disturbed areas and excavated slopes shall be graded to match existing or finished grade lines.

1.05 GENERAL SITE CONDITIONS

- A. Rock boulder outcrops, surface cobbles, and boulders are evident at the site, as is brush, trees, and stumps that will need to be removed from the work area.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION